



18-26.5GHz 100W SOLID STATE HIGH POWER AMPLIFIER RACKMOUNT LPA18265050RM

FEATURES

- Wide Bandwidth
- Low Power Consumption
- Low Noise Figure
- Miniature Sizes, Field Removable connector
- Compact/Rugged Thin-Film Construction

APPLICATIONS

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics

ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	18		26.5	GHz
Power Gain	50			dB
Power Gain Flatness		±4		dB
Output Power(Psat CW)	100			Watt
pulse Width	0.1		100	us
PRF	50Hz		100KHz	
Spurious	-50			dBc
Harmonics	-20			dBc
Noise Figure				dBm/MHz
Input VSWR			2:1	Ratio
Output VSWR			2.5:1	Ratio
Input Voltage	180	220	240	Volt
Human-computer Interface	touch screen LCD:Voltage,Current, Temperature,FWD/REV Power			
Program Control Interface	TCP/IP and Ethernet			

Note:

- 1.Input Signal:AM, FM, CW, Pulse, LFM, Phase coded.
- 2.Over Temperature Protection; Over REV VSWR Protection; Over incentive protection.
- 3.Air forced cool.

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input power		0±6		dBm
Operating Temperature	0		+40	°C
Non-operating Temperature	-40		+85	°C
Relative humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		



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MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	4U D:500mm	Max	Milimeter
Weight	40	Max	Kg
RF Connectors Input	2.92mm-F		
RF Connectors Output	WR-42		
Forward / Reverse Detection Connectors	2.92mm-F		
Impedance			ohms

OUTLINE DRAWING(mm):

